

**ANTI-PLASMODIUM COMPOSITIONS
AND METHODS OF USE**

Abstract of the Invention

5 Compositions that inhibit the binding of *Plasmodium*
 falciparum to erythrocytes include a family of erythrocyte
 binding proteins (EBPs). The EBPs are paralogues of the *P.*
 falciparum binding protein EBA-175. The present invention
10 includes peptides of the paralogues that prevent the binding of
 P. falciparum. Antibodies specific for each paralogue that also
 prevent the binding of *P. falciparum* are also included.
 Methods of the invention utilize the paralogues, antibodies
 thereof and peptide compositions for the diagnosis, prevention,
15 and treatment of *P. falciparum* diseases such as malaria, as well
 as methods for the detection of *P. falciparum* in biological
 samples and culture media.

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